

IN THE CLAIMS

Please amend the presently pending claims as follows:

1. (Currently Amended) A water evaporative air conditioner for vehicle cabins and the like, the air conditioner comprising:

an evaporation chamber, air being delivered into said evaporation chamber with a view to being and directed towards said cabin via an air outlet, while passing through at least one wet filter;

a turbofan making it possible to pulse air into the evaporation chamber via a distribution box;

a mister, which delivers mist into the evaporation chamber, said mister including at least one injector;

a run-off provided in the vicinity of said wet filter; and

a deflector positioned to cause said delivery air and said mist to converge towards the run-off, with the result being that droplets of water formed by the mist are directed towards a surface of said wet filter facing an inside of said evaporation chamber, and run off over this the surface, and wherein said at least one injector is positioned in relation to said deflector such that said at least one injector expels the water in a direction that, in the area of said run-off, converges with the airflow at an outlet of said deflector.

2. (Previously Presented) Air conditioner of claim 1, wherein said wet filter comprises a hydrophilic material.

3. (Previously Presented) Air conditioner of claim 1, wherein said run-off includes at least one impact lip for said droplets, extending into an upper portion of said wet filter in a plane substantially coincident with the plane of said surface of said filter turned towards the inside of

said chamber.

4. (Previously Presented) Air conditioner of claim 3, wherein said lip is formed by a fold made in a plate, referred to as a drop-out plate, fastened beneath a closing cover for said evaporation chamber.

5. (Previously Presented) Air conditioner of claim 4, wherein said drop-out plate has a raised portion or profile designed to evenly distribute the water over said lip.

6. (Previously Presented) Air conditioner of claim 1, and further comprising a delivery air distribution box, which delivers the air into the evaporation chamber, and wherein the deflector comprises a deflector plate running in line with the delivery air distribution box.

7. (Previously Presented) Air conditioner of claim 6, wherein said deflector plate contains perforations and/or a cut-out section in an upper edge thereof.

8. (Cancelled)

9. (Previously Presented) Air conditioner of claim 1, wherein said chamber includes at least two drain-off points for condensed water, which are paired with an extractor.

10. (Previously Presented) Air conditioner of claim 1, wherein said chamber has a bottom provided with a liner including at least one of the elements belonging to the following group:
a covering with a material including a plurality of tubes joined to one another or intercommunicating cells; and
a profiling having at least one water pass-through.

11. (Previously Presented) Air conditioner of claim 10, and further comprising a pad made of a

soft foam material interposed between said covering and a bottom of said chamber.

12. (Previously Presented) Air conditioner of claim 10, wherein the profiling has at least one of the elements belonging to the following group:

- a water pass-through opening;
- a space formed in relation to a bottom and/or walls of said chamber; and
- an upper lip extending said profiling.

13. (Previously Presented) Air conditioner of claim 9, wherein said extractor is connected to a water reservoir and a valve makes it possible to shift between two configurations:

- a recycling configuration in which the water recovered by said extractor is redirected towards said reservoir; and
- a discharge configuration in which the water recovered by said extractor is discharged as waste water.

14. (Previously Presented) Air conditioner of claim 1, and further comprising wetting means built into said wet filter.

15. (Previously Presented) Air conditioner of claim 14, wherein said wetting means include a circulating system made of a porous material.

16. (Currently Amended) A vehicle whose cabin is equipped with a water evaporative air conditioner, which comprises:

- an evaporation chamber, air being delivered into said evaporation chamber ~~with a view to~~
~~being and~~ directed towards said cabin via an air outlet, while passing through at least one wet filter;
- a tubofan making it possible to pulse air into the evaporation chamber via a distribution box;

a mister, which delivers mist into the evaporation chamber, said mister including at least one injector;

a run-off provided in the vicinity of said wet filter; and

a deflector positioned to cause said delivery air and said mist to converge towards the run-off, with the result being that droplets of water formed by the mist are directed towards a surface of said wet filter facing an inside of said evaporation chamber, and run off over this the surface, and wherein said at least one injector is positioned in relation to said deflector such that said at least one injector expels the water in a direction that, in the area of said run-off, converges with the airflow at an outlet of said deflector.

17. (Previously Presented) Vehicle of claim 16, wherein said cabin and/or said air conditioner include a diffuser, which diffuses the air coming from said air conditioner, making it possible to point at least one airflow into said cabin directly towards at least one operator position.

18. (Currently Amended) Vehicle of claim 16, wherein said cabin and/or said air conditioner include means of slaving connecting the flow rate of the air coming from said air conditioner to a pressurization of said cabin, provided in such a way that the air flow rate varies inversely in relation to variations in said pressurization.

19. (Currently Amended) Vehicle of claim 18, wherein said cabin and/or said air conditioner include a diffuser, which diffuses the air coming from said air conditioner, making it possible to point at least one airflow into said cabin directly towards at least one operator position, and, wherein said slaving means of connecting also acts on said diffuser so that the air is pointed towards the operator position when the pressurization of said cabin decreases, and is pointed in another direction when said pressurization increases.

20. (Currently Amended) A cabin designed to be mounted on a vehicle equipped with a water

evaporative air conditioner, the cabin comprising:

an evaporation chamber (1) in which mist-forming means (4) are provided, air being delivered into said evaporation chamber with a view to being and directed towards said cabin via an air outlet, while passing through at least one wet filter;

a turbofan making it possible to pulse air into the evaporation chamber via a distribution box;

a mister, which delivers mist into the evaporation chamber, said mister including at least one injector;

a run-off provided in the vicinity of said wet filter; and

a deflector positioned to cause said delivery air and said mist to converge towards the run-off, with the result being that droplets of water formed by the mist are directed towards a surface of said wet filter facing an inside of said evaporation chamber, and run off over this the surface, and wherein said at least one injector is positioned in relation to said deflector such that said at least one injector expels the water in a direction that, in the area of said run-off, converges with the airflow at an outlet of said deflector.